



IPW

SE-US035180

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of :
Takeshi HIROSE :
Serial No.: 10/730,257 :
Filed: December 9, 2003 :
For: INFORMATION PROCESSING DEVICE :
FOR DIVER, CONTROL METHOD, :
CONTROL PROGRAM AND RECORDING :
MEDIUM THEREOF, DIVING :
EQUIPMENT AND CONTROL METHOD :
OF DIVING EQUIPMENT :

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner of Patents
Washington, DC 20231

Sir:

In accordance with MPEP 609 and 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant brings the attached reference to the Examiner's attention and requests that it be considered and made of record in this application. Also attached is a completed PTO-1449 form. ***No fee is believed to be due for this Information Disclosure Statement.*** However, if a first Office Action on the merits was mailed before the filing date of this Information Disclosure Statement, the Commissioner is authorized to charge the fee set forth in 37 CFR § 1.17(p) to Deposit Account No. 50-1836. A duplicate copy of this Statement is enclosed for that purpose.

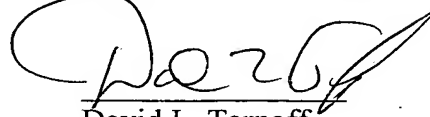
Japanese Laid-Open Utility-Model Patent Publication No. 7-31597 appears to disclose diving equipment having a plurality of air cylinders 8. The diving equipment disclosed in this publication includes a back-up switching valve 21 for opening/closing an air passage 19 between one of the air cylinders 8 and a collector passage 3b such that the one of the air cylinders 8 is arranged as a back-up cylinder used only in emergency situations. When remaining air amount of all the other air cylinders 8 becomes low, an alarm device 6 is configured to alert a diver by issuing an alarm sound and vibrating a mouthpiece 5. This publication also discloses arranging the back-up switching valve 21 such that the back-up

switching valve 21 is operated by the diver from the outside of a main body of the diving equipment.

* * *

Prompt examination on the merits is respectfully requested.

Respectfully submitted,



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First Named Inventor	Takeshi HIROSE
Group Art Unit	
Examiner Name	
Attorney Docket Number	SE-US035180

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